

Practice: 550 - Range Planting**Scenario: #1 - Cropland to Grassland, Standard Prep****Scenario Description:**

Establishment of a mixture of PREDOMINANTLY NATIVE (at least 75% native) adapted perennial species on a unit to improve forage condition, improve wildlife habitat and/or reduce erosion. Seed mix of Predominantly Native species is chosen based on condition and availability of seed. Planting by preparing a seedbed with a LIGHT TO MODERATE TILLAGE and seeding with a no-till drill, range drill, or broadcasting.

Before Situation:

Cropland is currently in wheat, corn, cotton, milo or other commodity crop. Cropland field experiencing erosion from wind or water and poor soil health.

After Situation:

Land is established to Native or Predominately Native adapted perennial vegetation such as grasses, forbs, legumes, shrubs, and trees to reduce erosion and also improve soil health, improve water quality and improve wildlife habitat. Seed mix of Native or Predominantly Native species is chosen based onsite potential and availability of seed. Planting by preparing a seedbed with a LIGHT TO MODERATE TILLAGE and seeding with a grass seeding drill, or broadcasting.

Scenario Feature Measure: Acres of Range Planting

Scenario Unit: Acre

Scenario Typical Size: 150

Scenario Cost: \$57,863.00

Scenario Cost/Unit: \$385.75

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	150	\$1,345.50
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$13.37	150	\$2,005.50
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	150	\$2,580.00
Foregone Income						
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	\$115.67	100	\$11,567.00
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$144.36	50	\$7,218.00
Materials						
Three plus Species Mix, Warm Season, Native Perennial	2327	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$220.98	150	\$33,147.00

Practice: 550 - Range Planting**Scenario: #2 - Cropland to Grassland with Heavy Seedbed Preparation****Scenario Description:**

Establishment of a mixture of PREDOMINANTLY NATIVE (at least 75% native) adapted perennial species on a unit to improve forage condition, improve wildlife habitat and/or reduce erosion. Seed mix of predominantly native species is chosen based on condition and availability of seed. Planting by preparing a seedbed with MODERATE TO HEAVY TILLAGE (ex: ripping & heavy disk) and seeding with a range drill or broadcasting.

Before Situation:

Cropland is currently in cropland, wheat, corn, cotton, milo or other commodity crop. Cropland field experiencing erosion from wind or water and poor soil health. Moderate to Heavy tillage is required to break up plow pans and compacted soil layers.

After Situation:

Land is established to Native or Predominately Native adapted perennial vegetation such as grasses, forbs, legumes, shrubs, and trees to reduce erosion and also improve soil health, improve water quality and improve wildlife habitat. Seed mix of Native or Predominantly Native species is chosen based onsite potential and availability of seed. Planting by preparing a seedbed with a MODERATE TO HEAVY TILLAGE and seeding with a grass seeding drill, or broadcasting.

Scenario Feature Measure: Acres of Range Planting

Scenario Unit: Acre

Scenario Typical Size: 150

Scenario Cost: \$61,214.00

Scenario Cost/Unit: \$408.09

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	300	\$2,691.00
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$13.37	300	\$4,011.00
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	150	\$2,580.00
Foregone Income						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$144.36	50	\$7,218.00
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	\$115.67	100	\$11,567.00
Materials						
Three plus Species Mix, Warm Season, Native Perennial	2327	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$220.98	150	\$33,147.00

Practice: 550 - Range Planting**Scenario: #3 - Highly Diverse Mixtures of Native Plants****Scenario Description:**

Establishment of a mixture of PREDOMINANTLY NATIVE (at least 75% native) adapted perennial species on a unit to improve plant diversity. Seed mix of PREDOMINANTLY NATIVE (at least 75%) with the inclusion at least 12 total species with a minimum of 5 forb species based on condition and availability of seed.

Before Situation:

Rangeland with existing stand of perennial or annual grasses OR monoculture OR no grasses present where natural reseeding or vegetation enhancement by grazing management alone is unlikely. Resource Concerns include: undesirable plant productivity and health, inadequate feed and forage for livestock, soil erosion and poor soil health. Rangeland or pastureland is currently in a degraded state with less than 15% desirable species, field experiencing erosion from wind or water and poor soil quality.

After Situation:

Establishment of PREDOMINANTLY NATIVE (at least 75%) adapted perennial vegetation such as grasses, forbs, legumes, shrubs, and trees with an emphasis on increasing soil health through increased plant diversity and pollinator habitat. Site will benefit all forms of wildlife and relate closely to the ecological site description.

Scenario Feature Measure: Acres Planned

Scenario Unit: Acre

Scenario Typical Size: 100

Scenario Cost: \$32,138.57

Scenario Cost/Unit: \$321.39

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$13.37	100	\$1,337.00
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	100	\$1,720.00
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	100	\$897.00
Materials						
Three plus Species Mix, Warm Season, Native Perennial	2327	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$220.98	100	\$22,098.00
Three Species Mix, Native Forb	2333	Native forb mix. Includes material and shipping only.	Acre	\$586.90	10	\$5,869.00
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$217.57	1	\$217.57